

**Amendments to the Claims**

This listing of claims will replace the originally filed claims in the application.

**Listing of Claims:**

Claims 1 – 5 (cancelled)

Claim 6 (new):           A circuit for supplying oxygen to aircraft passengers, comprising, in a line supplying oxygen connected to a pressurized oxygen source, a servocontrolled pressure regulator that can be actuated in response to a pressure control signal supplied by an electronic control unit.

Claim 7 (new):           The circuit as claimed in claim 6, characterized in that it comprises a cabin pressure sensor delivering an absolute pressure signal to the electronic control unit for the generation of said control signal of the regulator.

Claim 8 (new):           The circuit as claimed in claim 6, characterized in that it comprises a line bypassing the regulator and provided with a safety solenoid valve.

Claim 9 (new):           The circuit as claimed in claim 6, characterized in that the oxygen supply line comprises a downstream connection to an oxygen therapy system.

Claim 10 (new):           The circuit as claimed in claim 6, characterized in that the oxygen source comprises at least one pressurized oxygen cylinder.